

# Technical Data Sheet - TDS



**CHEMCON**

## RocShield MB-60

Highly Flexible Elastomeric  
waterproof Coating

### PRODUCT DESCRIPTION

RocShield MB-60 is a single component, flexible cold applied liquid waterproofing membrane, specially designed from a blend of special resin and rubber, reinforced with special water repelling fillers, minerals stabilizers and gelling agent. It is a highly elastic product, cures to a rubber like membrane capable of withstanding severe cases of expansion, contraction and deck movements. It will show High resistant to oxidation, UV light and ozone because of its special additives in compounding it.

RocShield MB-60 is more durable than normal asphalt coating and lasts longer than most other coatings.

RocShield MB-60 is superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and/or separation and a longer life. It has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.

The cured membrane provides excellent resistance to carbonation and prevents chloride ion ingress.

### ADVANTAGES

- ▶ Durable & provides an impervious waterproofing membrane that protects concrete structure and brick foundations against chloride and sulphate ions present in soils and water.
- ▶ Easy and direct (cold applied) application.
- ▶ Corrosion resistant and vapor barrier.
- ▶ Seamless, no joints.
- ▶ Waterproofing and resistance to blistering.
- ▶ High build coating helps mask surface imperfections in concrete.
- ▶ Vapor permeable membrane, allows breathing of the substrate.
- ▶ Excellent bond strength Non-toxic, and Washable.
- ▶ Excellent dirt pick-up resistance over longer period of time
- ▶ Single component. Easy to apply by brush, roller or airless spray.

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## FIELD OF APPLICATION

RocShield MB-60 is an Ideal waterproofing system for concrete roofs, polyurethane foam slabs, polyester built up roofs, maintenance of existing roofs, masonry and concrete walls, bathrooms, basements, bridges, decks, metal surfaces etc. Used as a sandwich membrane in new construction and as surface treatment on existing slabs.

## DIRECTIONS FOR USE

**Surface Preparation:** Ensure that surfaces are clean, sound, stable and free of dirt, dust, grease and any other contaminants. Remove any traces of algae and fungal growth with a wire brush, treat with a fungicide solution and wash down with clean water. Old concrete may require grit blasting to remove old coatings or membranes. New concrete can be coated once the initial water-curing period is over.

**Priming:** Prime porous surfaces with RocCure CL, RocFloor Silicate or diluted RocShieldMB-60 (1:2: RocShield MB-60: Water). Priming will seal the surface and ensure maximum adhesion of the coating.

**Watch point:** Do not apply RocShield MB-60 when rain is likely as full resistance is only achieved in the fully cured state.

**Application:** Apply RocShield MB-60 onto the surface in one direction taking care not to scrub the material or brush unevenly. Allow to dry and inspect for imperfections that should be made good prior to application of second or any subsequent coats. Apply second (and any subsequent coats) at right angles to the previous coats.

It stands and across joints it is recommended that a geotextile mesh be imbedded in the coating. This will increase the physical properties and will aid distribution of localized stresses. The mesh should be applied as a sandwich between the first and second coats of RocShield MB-60. Across joints it is recommended to bridge the joint

## CLEANING TOOLS

Wash tools in water immediately after use. If product has set, remove with a knife and immerse in water.

## TYPICAL PROPERTIES

Color	Black
Specific Gravity	1.05+/-0.10@ 5°C. (ASTM D 1644-03)
Appearance	Thixotropic Paste
Solid Content %	>50(ASTM-D-1475-03)
Viscosity Spindle No: 7;RPM:10 @ 25° C	50000 – 70000 CPS
Elongation @ Break	> 1000 % (ASTM D 412-98)
Water vapor Transmission (g / h – m <sup>2</sup> )	0.46 (ASTM E 96-95)
Tack Free Time @ 35°C	10-12 hrs.
Water swelling resistance, [%]	Less Than 8 ASTM D 471
Adhesion [Dry] concrete/ steel, [pli]	Greater Than 3 (ASTM C 794 ASTM D 903)
Tensile Strength	0.50N/mm <sup>2</sup> (ASTM D 412-98)
VOC, [g/L]	Less Than 50 ASTM D 3960/ ASTM D 2369

## COVERAGE

RocShield MB-60 consumption: A coverage rate of 2 kg/m<sup>2</sup> is required for 1.0 mm. DFT

## PACKING AND STORAGE

RocShield MB-60 is supplied in 5kg & 20Kg plastic/Metal pails. Store in shaded warehouses away from heat, humidity or moisture. Shelf life will be 12 months.

## HEALTH & SAFETY

As with all CIL chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thorough washing with clean water. If ingested seek medical attention.

## OTHER PRODUCTS AVAILABLE FROM CIL.

**RocCrete Combo** - A Two-Part acrylic Modified Highly flexible Cementitious Waterproof Coating.

**RocShield X PUD30** - High performance Polyurethane dispersant based waterproofing coating

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

### Disclaimer

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